## **EAST Search History**

| Ref#       | Hits | Search Query   | DBs                          | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|--|------------------------------|---------------------|---------|---------------------|
| L1         | 410  | 164/488-490.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/05/20<br>18:13 |
| L2         | 847  | 222/590,591,594.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/05/20<br>18:13 |
| L3         | 56   | L1 and L2  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/05/20<br>18:13 |
| L4         | 69   | (sequence cast or sequence casting or casting sequence) and tundish and rate | US-PGPUB;<br>USPAT;<br>USOCR | ADJ                 | ON      | 2009/05/20<br>18:13 |
| L5         | 31   | ladle same reduc\$3 with rate same tundish and casting                       | US-PGPUB;<br>USPAT;<br>USOCR | ADJ                 | ON      | 2009/05/20<br>18:13 |
| S2         | 2    | ("20050067134"  <br>"5887647").PN.   | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/08/20<br>15:47 |
| S3         | 158  | 164/453.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/08/20<br>15:49 |
| S4         | 1    | 164/453.ccls. and<br>tundish same inflow<br>same outflow                     | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/08/20<br>15:50 |
| S5         | 2    | 164/453.ccls. and rate same inflow same outflow                              | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/08/20<br>15:51 |
| <b>S</b> 6 | 80   | 164/453.ccls. and continuous and rate same (steady or constant or level)     | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/04<br>13:42 |
| S7         | 408  | 164/488-490.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/08<br>13:40 |
| S8         | 832  | 222/590,591,594.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/08<br>13:40 |
| S9         | 408  | 164/488-490.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/08<br>16:10 |
| S10        | 832  | 222/590,591,594.ccls.  | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/08<br>16:10 |
| S11        | 55   | S9 and S10   | US-PGPUB;<br>USPAT           | ADJ                 | ON      | 2008/09/08<br>16:10 |

| S12  | 13 | continuous casting and<br>(ladle or furnace) and<br>tundish and inflow same<br>rate   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:27 |
|------|----|---|------------------------------|-----|----|---------------------|
| S13  | 3  | continuous casting and<br>(refill or reload) same<br>tundish and rate   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:33 |
| S14  | 1  | "4969506".pn.   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:35 |
| S18  | 93 | 164/489.ccls.   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:39 |
| S19  | 20 | 164/489.ccls. and S10   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:39 |
| S20  | 2  | S11 and (sequence casting or refill or resume)  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>16:42 |
| S21  | 3  | ("3333746"   "4715586").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/08<br>16:43 |
| S22  | 23 | sequence casting and tundish and rate   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/08<br>16:43 |
| \$23 | 5  | casting and ladle and tundish and inflow and (quasi-steady or state state or steady level or constant level) and (refill or reload or resume or resumption or interruption or continue or continuation) | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/08<br>16:51 |
| S24  | 9  | ("3521696").URPN.   | USPAT                        | ADJ | ON | 2008/09/08<br>16:55 |
| S25  | 0  | refill same tundish same<br>ladle same rate   | USPAT                        | ADJ | ON | 2008/09/08<br>16:58 |
| S26  | 0  | refill same tundish same<br>ladle same inflow   | USPAT                        | ADJ | ON | 2008/09/08<br>16:58 |
| S27  | 2  | refill same tundish same<br>ladle   | USPAT                        | ADJ | ON | 2008/09/08<br>16:58 |
| S28  | 1  | refill same tundish same<br>rate  | USPAT                        | ADJ | ON | 2008/09/08<br>16:59 |
| S29  | 0  | resupply same tundish<br>same rate  | USPAT                        | ADJ | ON | 2008/09/08<br>16:59 |
| S30  | 4  | replenish same tundish<br>same rate   | USPAT                        | ADJ | ON | 2008/09/08<br>16:59 |

| <b>S31</b>  | 0   | replenish same tundish<br>and rate same inflow<br>same outflow  | USPAT                        | ADJ | ON | 2008/09/08<br>17:00 |
|-------------|-----|---|------------------------------|-----|----|---------------------|
| S32         | 0   | "method" same resum\$3<br>same melt same tundish  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:22 |
| S33         | 3   | resum\$3 same melt<br>same tundish  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:22 |
| S34         | 158 | 164/453.ccls.   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:22 |
| S35         | 21  | S34 and S9  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:22 |
| S36         | 108 | chang\$3 same ladle<br>same tundish and rate  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:25 |
| <b>S</b> 37 | 8   | chang\$3 same ladle<br>same tundish and rate<br>same inflow   | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/09/08<br>17:25 |
| S38         | 5   | ("3469740"   "5232046").<br>PN. OR ("5887647").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>14:10 |
| S39         | 67  | (sequence cast or sequence casting or casting sequence) and tundish and rate  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>14:45 |
| S40         | 32  | (sequence cast or<br>sequence casting or<br>casting sequence) and<br>tundish and rate same<br>(decreasing or increas\$3<br>or inflow) | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>14:54 |
| S41         | 2   | (sequence cast or sequence casting or casting sequence) and inflow same outflow same tundish  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>15:09 |
| S42         | 0   | (sequence cast or sequence casting or casting sequence) and decreasing with inflow  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>16:01 |
| S43         | 0   | (sequence cast or sequence casting or casting sequence) and decreasing same inflow  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>16:01 |
| S44         | 3   | (sequence cast or sequence casting or casting sequence) and decreasing with rate same ladle   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/09<br>16:01 |

| S45 | 0  | (sequence cast or sequence casting or casting sequence) and decreasing with rate same inflow             | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:34 |
|-----|----|--|------------------------------|-----|----|---------------------|
| S46 | 0  | (sequence cast or sequence casting or casting sequence) and decreasing same rate same inflow             | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:34 |
| S47 | 1  | (sequence cast or<br>sequence casting or<br>casting sequence) and<br>decreas\$3 same rate<br>same inflow | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:34 |
| S48 | 5  | ladle same decreasing with rate same tundish   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:35 |
| S49 | 34 | ladle same reduc\$3 with rate same tundish   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:37 |
| S50 | 31 | ladle same reduc\$3 with rate same tundish and casting   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/09/10<br>14:37 |

## 5/20/2009 6:15:07 PM

 $\textbf{C:} \ \, \textbf{Documents and Settings} \ \, \textbf{jhevey} \ \, \textbf{My Documents} \ \, \textbf{EAST} \backslash \ \, \textbf{Workspaces} \backslash \ \, \textbf{10581385.wsp}$